

## Medicinal Plant species of conservation concern identified for Chhattisgarh (CH):

CAMP workshop was held during July 2003 at Bhopal to assess the threat status of prioritized Medicinal plants of Chhattisgarh. During this process 47 medicinal plant species were assigned the RL status of Near Threatened (NT) and above.

| LEGEND |                          |
|--------|--------------------------|
| EX     | Extinct                  |
| CR     | Critically Endangered    |
| EN     | Endangered               |
| VU     | Vulnerable               |
| NT     | Near Threatened          |
| G      | Global                   |
| H      | Herb                     |
| S      | Shrub                    |
| T      | Tree                     |
| C      | Climber                  |
| T      | Recorded in Trade        |
| H      | High volume Traded(>100) |

| S.No | Genus               | Species           | Author          | variety | Author | Synonyms | State | Habit | Status in CHH | RL status (Global) | Recorded in Trade | Trade 100 MT/yr (dry wt.) |
|------|---------------------|-------------------|-----------------|---------|--------|----------|-------|-------|---------------|--------------------|-------------------|---------------------------|
| 1    | <i>Rauvolfia</i>    | <i>serpentina</i> | (L.) Benth.     | ex Kurz |        | 0        | CH    | H     | CR            | -                  | T                 | H                         |
| 2    | <i>Acorus</i>       | <i>calamus</i>    | L.              |         |        | 0        | CH    | H     | EN            | -                  | T                 | H                         |
| 3    | <i>Angiopteris</i>  | <i>evecta</i>     | (Forst.) Hoffm. |         |        | 0        | CH    | S     | EN            | -                  |                   |                           |
| 4    | <i>Clerodendrum</i> | <i>serratum</i>   | (L.) Moon       |         |        | 0        | CH    | S     | EN            | -                  | T                 |                           |
| 5    | <i>Eulophia</i>     | <i>herbacea</i>   | Lindl.          |         |        | 0        | CH    | H     | EN            | -                  |                   |                           |
| 6    | <i>Luffa</i>        | <i>echinata</i>   | Roxb.           |         |        | 0        | CH    | C     | EN            | -                  | T                 |                           |

|    |                      |                     |                         |   |    |   |    |   |   |   |
|----|----------------------|---------------------|-------------------------|---|----|---|----|---|---|---|
| 7  | <i>Andrographis</i>  | <i>paniculata</i>   | (Burm.f.) Wall. ex Nees | 0 | CH | H | VU | - | T | H |
| 8  | <i>Boswellia</i>     | <i>serrata</i>      | Roxb. ex Colebr.        | 0 | CH | T | VU | - | T | H |
| 9  | <i>Caesalpinia</i>   | <i>digyna</i>       | Rottler                 | 0 | CH | S | VU | - | T |   |
| 10 | <i>Celastrus</i>     | <i>paniculatus</i>  | Willd.                  | 0 | CH | C | VU | - | T | H |
| 11 | <i>Chlorophytum</i>  | <i>tuberosum</i>    | Baker                   | 0 | CH | H | VU | - | T | H |
| 12 | <i>Citrullus</i>     | <i>colocynthis</i>  | (L.) Kuntze             | 0 | CH | C | VU | - | T | H |
| 13 | <i>Cochlospermum</i> | <i>religiosum</i>   | DC.                     | 0 | CH | T | VU | - | T |   |
| 14 | <i>Costus</i>        | <i>speciosus</i>    | (J.Koenig ex Retz.) Sm. | 0 | CH | H | VU | - | T |   |
| 15 | <i>Crateva</i>       | <i>magna</i>        | (Lour.) DC.             | 0 | CH | T | VU | - | T |   |
| 16 | <i>Curcuma</i>       | <i>angustifolia</i> | Roxb.                   | 0 | CH | H | VU | - | T | H |
| 17 | <i>Curcuma</i>       | <i>zedoaria</i>     | (Christ.) Roscoe        | 0 | CH | S | VU | - | T | H |
| 18 | <i>Dioscorea</i>     | <i>bulbifera</i>    | L.                      | 0 | CH | C | VU | - | T |   |
| 19 | <i>Dioscorea</i>     | <i>hispida</i>      | Dennst.                 | 0 | CH | C | VU | - |   |   |
| 20 | <i>Gloriosa</i>      | <i>superba</i>      | L.                      | 0 | CH | C | VU | - | T | H |
| 21 | <i>Gymnema</i>       | <i>sylvestre</i>    | R.Br.                   | 0 | CH | C | VU | - | T | H |
| 22 | <i>Litsea</i>        | <i>glutinosa</i>    | (Lour.) Robinson        | 0 | CH | T | VU | - | T | H |
| 23 | <i>Oroxylum</i>      | <i>indicum</i>      | (L.) Vent.              | 0 | CH | T | VU | - | T | H |
| 24 | <i>Peucedanum</i>    | <i>nagpureense</i>  | (C.B. Clarke) Prain     | 0 | CH | H | VU | - |   |   |
| 25 | <i>Phyllanthus</i>   | <i>emblica</i>      | L.                      | 0 | CH | T | VU | - | T | H |

|    |                     |                        |                             |   |    |   |    |   |   |   |
|----|---------------------|------------------------|-----------------------------|---|----|---|----|---|---|---|
| 26 | <i>Piper</i>        | <i>longum</i>          | L.                          | 0 | CH | H | VU | - | T | H |
| 27 | <i>Plumbago</i>     | <i>zeylanica</i>       | L.                          | 0 | CH | S | VU | - | T | H |
| 28 | <i>Pterocarpus</i>  | <i>marsupium</i>       | Roxb.                       | 0 | CH | T | VU | - | T | H |
| 29 | <i>Rubia</i>        | <i>cordifolia</i>      | L.                          | 0 | CH | H | VU | - | T | H |
| 30 | <i>Sterculia</i>    | <i>urens</i>           | Roxb.                       | 0 | CH | T | VU | - | T | H |
| 31 | <i>Strychnos</i>    | <i>nux-vomica</i>      | L.                          | 0 | CH | T | VU | - | T | H |
| 32 | <i>Terminalia</i>   | <i>chebula</i>         | Retz.                       | 0 | CH | T | VU | - | T | H |
| 33 | <i>Thalictrum</i>   | <i>foliolosum</i>      | DC.                         | 0 | CH | H | VU | - | T |   |
| 34 | <i>Tylophora</i>    | <i>indica</i>          | (Burm.f.) Merr.             | 0 | CH | C | VU | - | T |   |
| 35 | <i>Uraria.</i>      | <i>picta</i>           | (Jacq.) Desv. ex DC         | 0 | CH | S | VU | - | T |   |
| 36 | <i>Urginea</i>      | <i>indica</i>          | (Roxb.) Kunth               | 0 | CH | H | VU | - | T |   |
| 37 | <i>Abrus</i>        | <i>precatorius</i>     | L.                          | 0 | CH | C | NT | - | T | H |
| 38 | <i>Aristolochia</i> | <i>indica</i>          | L.                          | 0 | CH | C | NT | - | T |   |
| 39 | <i>Asparagus</i>    | <i>racemosus</i>       | Willd.                      | 0 | CH | C | NT | - | T | H |
| 40 | <i>Baliospermum</i> | <i>montanum</i>        | (Willd.) Mull.Arg.          | 0 | CH | S | NT | - | T | H |
| 41 | <i>Buchanania</i>   | <i>lanzan</i>          | Spreng.                     | 0 | CH | T | NT | - | T | H |
| 42 | <i>Ceropegia</i>    | <i>bulbosa</i>         | Roxb.                       | 0 | CH | C | NT | - |   |   |
| 43 | <i>Embelia</i>      | <i>tsjeriam-cottam</i> | (Roem. & Schult.)<br>A. DC. | 0 | CH | S | NT | - | T | H |
| 44 | <i>Mucuna</i>       | <i>pruriens</i>        | (L.) DC.                    | 0 | CH | C | NT | - | T | H |

|    |                      |                    |                                |    |    |   |    |   |   |   |
|----|----------------------|--------------------|--------------------------------|----|----|---|----|---|---|---|
| 45 | <i>Operculina</i>    | <i>turpethum</i>   | (L.) Silva Manso               | 0  | CH | C | NT | - | T | H |
| 46 | <i>Merremia</i>      | <i>turpethum</i>   | (L.) Shah & Bhat               | 45 | CH |   |    |   |   |   |
| 47 | <i>Stereospermum</i> | <i>chelonoides</i> | (L.f.) DC.                     | 0  | CH | T | NT | - | T | H |
| 48 | <i>Terminalia</i>    | <i>arjuna</i>      | (Roxb. ex DC.)<br>Wight & Arn. | 0  | CH | T | NT | - | T | H |

Of these 47 species, only 1 species has been assigned Critically Endangered (CR) status, 5 species are Endangered (EN), 11 species are Vulnerable (VU) and 30 species are Near Threatened (NT). 30 of these Red Listed medicinal plant species have been recorded in high volume trade, as per the national level trade study.

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